

**REMARKS:**

*Remarks on the amendments to the claim listing:*

- *General remark: We would like to replace the “simple product consisting in two or more entangled samples” by the “system of entangled samples” which refer to a structure having a number of characteristics.*
- *Amendment to claim 2: the claim is made definite and aimed at a limited number of species.*
- *Amendment to claim 5: the claim no longer reference claim 1 and its preamble is suppressed for the sake of simplicity. The method is described for a set of samples. The term “separate” is added as a characteristic of the system of entangled samples.*
- *Amendment to claim 7: the preamble is suppressed for the sake of simplicity. Minor English corrections are introduced. The characteristic of the slave sample to “radiate” is corrected by replacement of the term “irradiation” by “radiation”.*
- *Amendment to claim 12: the claim is simplified trying to have a single reference to claim 1.*
- *Amendment to claim 13: The claim reference to claim 12 is replaced by the complex product (the “entangled” supports) in order to reference only claim 5. Minor English corrections are introduced.*
- *Amendment to claim 14: The claim reference to claim 12 is replaced by the complex product (the “entangled” supports) in order to reference only claim 7. Minor English corrections are introduced.*
- *New claim 22: The claim is a dependent claim of claim 7 limited to a number of species. The claim pertains to group III.*
- *New claims 23-29: The claims are dependent claims of claim 22 and aimed at a species. The claim pertains to group III.*
- *New claim 30: The claim is a dependent claim of claim 7 wherein the manufacturing of system of entangled samples to be used is described. The claim pertains to group III.*
- *New claim 31: The claim is a dependent claim of claim 30 limited to a number of species. The claim pertains to group III.*
- *New claims 32-38: The claims are dependent claims of claim 2 aimed a species. They pertain to group I.*

- *New claim 39: The claim is a dependent claim of claim 5 limited to a number of species. The claim pertains to group II.*
- *New claims 40-46: The claims are dependent claims of claim 39 aimed at a species. They pertain to group II.*